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**1 Surface normal overlap: a computer-aided detection algorithm with application to colonic polyps and lung nodules in helical CT**
*Paik, D.S.; Beaulieu, C.F.; Rubin, G.D.; Acar, B.; Jeffrey, R.B., Jr.; Yee, J.; De Napel, S.;*

 Medical Imaging, IEEE Transactions on , Volume: 23 , Issue: 6 , June 2004  
 Pages:661 - 675

[\[Abstract\]](#)    [\[PDF Full-Text \(584 KB\)\]](#)    **IEEE JNL**
**2 Analysis of position-dependent Compton scatter in scintimammography with mild compression**
*Williams, M.B.; Narayanan, D.; More, M.J.; Goodale, P.J.; Majewski, S.; Kiepe D.A.;*

 Nuclear Science, IEEE Transactions on , Volume: 50 , Issue: 5 , Oct. 2003  
 Pages:1643 - 1649

[\[Abstract\]](#)    [\[PDF Full-Text \(631 KB\)\]](#)    **IEEE JNL**
**3 3-D freehand echocardiography for automatic left ventricle reconstruction and analysis based on multiple acoustic windows**
*Xujiong Ye; Noble, J.A.; Atkinson, D.;*

 Medical Imaging, IEEE Transactions on , Volume: 21 , Issue: 9 , Sept. 2002  
 Pages:1051 - 1058

[\[Abstract\]](#)    [\[PDF Full-Text \(934 KB\)\]](#)    **IEEE JNL**

**4 Novel digital K-edge imaging system with transition radiation from 855-MeV electron beam**

*Hagenbuck, F.; Backe, H.; Clawiter, N.; Euteneuer, H.; Gorgen, F.; Holl, P.; Johann, K.; Kiser, K.-H.; Kemmer, J.; Kerschner, Th.; Kettig, O.; Koch, H.; Klug, G.; Lauth, W.; Mauhay, H.; Schuttrumpf, M.; Stotter, R.; Struder, L.; Walcher, Wilms, A.; Zanthier, C.v.; Zemter, M.;*

Nuclear Science, IEEE Transactions on , Volume: 48 , Issue: 3 , June 2001  
Pages:843 - 848

[\[Abstract\]](#) [\[PDF Full-Text \(184 KB\)\]](#) [IEEE JNL](#)

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**5 ERS transform for the automated detection of bronchial abnormalities on CT of the lungs**

*Chabat, F.; Xiao-Peng Hu; Hansell, D.M.; Guang-Zhong Yang;*

Medical Imaging, IEEE Transactions on , Volume: 20 , Issue: 9 , Sept. 2001  
Pages:942 - 952

[\[Abstract\]](#) [\[PDF Full-Text \(936 KB\)\]](#) [IEEE JNL](#)

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**6 Calculation of attenuation factors from combined singles and coincidence emission projections**

*Laymon, C.M.; Turkington, T.G.;*

Medical Imaging, IEEE Transactions on , Volume: 18 , Issue: 12 , Dec. 1999  
Pages:1194 - 1200

[\[Abstract\]](#) [\[PDF Full-Text \(576 KB\)\]](#) [IEEE JNL](#)

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**7 Multiscale edge detection on range images via normal changes**

*Chwen-Jye Sze; Hong-Yuan Mark Liao; Hai-Lung Hung; Kuo-Chin Fan; Jun-Wei Hsieh;*

Circuits and Systems II: Analog and Digital Signal Processing, IEEE Transactions on [see also Circuits and Systems II: Express Briefs, IEEE Transactions on] , Volume: 45 , Issue: 8 , Aug. 1998  
Pages:1087 - 1092

[\[Abstract\]](#) [\[PDF Full-Text \(192 KB\)\]](#) [IEEE JNL](#)

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**8 A coronary calcification diagnosis system based on helical CT image**

*Ukai, Y.; Niki, N.; Satoh, H.; Watanabe, S.; Ohmatsu, H.; Eguchi, K.; Moriyama, N.;*

Nuclear Science, IEEE Transactions on , Volume: 45 , Issue: 6 , Dec. 1998  
Pages:3083 - 3088

[\[Abstract\]](#) [\[PDF Full-Text \(1284 KB\)\]](#) [IEEE JNL](#)

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**9 Automated 3-D segmentation of respiratory-gated PET transmission images**

*Reutter, B.; Klein, G.J.; Huesman, R.H.;*

Nuclear Science, IEEE Transactions on , Volume: 44 , Issue: 6 , Dec. 1997  
Pages:2473 - 2476

[\[Abstract\]](#) [\[PDF Full-Text \(740 KB\)\]](#) IEEE JNL

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**10 Automatic detection of rib borders in chest radiographs**

Zhanjun Yue; Goshtasby, A.; Ackerman, L.V.;

Medical Imaging, IEEE Transactions on , Volume: 14 , Issue: 3 , Sept. 1995  
Pages:525 - 536

[\[Abstract\]](#) [\[PDF Full-Text \(1092 KB\)\]](#) IEEE JNL

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**11 Simulation evaluation of Gibbs prior distributions for use in maximum a posteriori SPECT reconstructions**

Lalush, D.S.; Tsui, B.M.W.;

Medical Imaging, IEEE Transactions on , Volume: 11 , Issue: 2 , June 1992  
Pages:267 - 275

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**12 Implementation of linear filters for iterative penalized maximum likelihood SPECT reconstruction**

Liang, Z.;

Nuclear Science, IEEE Transactions on , Volume: 38 , Issue: 2 , Apr 1991  
Pages:606 - 611

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**13 Enhancement of chest and breast radiographs by automatic spatial filtering**

Tahoces, P.G.; Correa, J.; Souto, M.; Gonzalez, C.; Gomez, L.; Vidal, J.J.;

Medical Imaging, IEEE Transactions on , Volume: 10 , Issue: 3 , Sept. 1991  
Pages:330 - 335

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**14 Automatic anatomically selective image enhancement in digital chest radiography**

Sezn, M.I.; Teklap, A.M.; Schaetzing, R.;

Medical Imaging, IEEE Transactions on , Volume: 8 , Issue: 2 , June 1989  
Pages:154 - 162

[\[Abstract\]](#) [\[PDF Full-Text \(1068 KB\)\]](#) IEEE JNL

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**15 Enhancement of chest radiographs with gradient operators**

DaPonte, J.S.; Fox, M.D.;

Medical Imaging, IEEE Transactions on , Volume: 7 , Issue: 2 , June 1988  
Pages:109 - 117

[\[Abstract\]](#) [\[PDF Full-Text \(885 KB\)\]](#) IEEE JNL

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☐ Check to search within this result set**Results Key:****JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard**16 Fuzzy inference systems for segmented attenuation correction in positron emission tomography**

*Bilger, K.; Kupferschlager, J.; Muller-Schauenburg, W.; Nusslin, F.; Bares, R.;*  
 Nuclear Science Symposium Conference Record, 2000 IEEE , Volume: 2 , 15-18 Oct. 2000

Pages:13/87 - 13/91 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(480 KB\)\]](#) **IEEE CNF**
**17 On the feasibility of using the scanning-beam digital X-ray system (SBDX) for lung nodule screening**

*Fahrig, R.; Stevens, G.M.; Solomon, E.G.; Pelc, N.J.;*  
 Engineering in Medicine and Biology Society, 2000. Proceedings of the 22nd Annual International Conference of the IEEE , Volume: 3 , 23-28 July 2000

Pages:1652 - 1655 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(364 KB\)\]](#) **IEEE CNF**
**18 Extraction of pulmonary fissures from thin-section CT images using calculation of surface-curvatures and morphology filters**

*Kubo, M.; Niki, N.; Eguchi, K.; Kaneko, M.; Kusumoto, M.; Moriyama, N.; Omori, H.; Kakinuma, R.; Nishiyama, H.; Mori, K.; Yamaguchi, N.;*

Image Processing, 2000. Proceedings. 2000 International Conference on , Vol. 2 , 10-13 Sept. 2000

Pages:637 - 640 vol.2

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**19 Anisotropic filtering technique for PET image edge extraction**

*Han-Yuan Wang; Kang-Ping Lin; Hong-Dun Lin; Chin-Lung Yu; Liang-Chih Wu Ren-Shyan Liu;*

Engineering in Medicine and Biology Society, 2000. Proceedings of the 22nd Annual International Conference of the IEEE , Volume: 1 , 23-28 July 2000  
Pages:498 - 500 vol.1

[\[Abstract\]](#)   [\[PDF Full-Text \(212 KB\)\]](#)   IEEE CNF

**20 Method of segmentation of thorax organs images applied to model the cardiac electrical field**

*Czerwinska, A.; Doros, M.; Kolebska, K.;*

Engineering in Medicine and Biology Society, 2000. Proceedings of the 22nd Annual International Conference of the IEEE , Volume: 1 , 23-28 July 2000  
Pages:402 - 405 vol.1

[\[Abstract\]](#)   [\[PDF Full-Text \(304 KB\)\]](#)   IEEE CNF

**21 Novel digital K-edge imaging system with transition radiation from 855 MeV electron beam**

*Hagenbuck, F.; Backe, H.; Clawiter, N.; Euteneuer, H.; Gorgen, F.; Holl, P.; Johann, K.; Kaiser, K.-H.; Kemmer, J.; Kerschner, Th.; Kettig, O.; Koch, H.; K. G.; Lauth, W.; Matthay, H.; Schutrumpf, M.; Stotter, R.; Struder, L.; Walcher, Wilms, A.; Von Zanthier, C.; Zemter, M.;*

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Pages:23/43 - 23/48 vol.3

[\[Abstract\]](#)   [\[PDF Full-Text \(552 KB\)\]](#)   IEEE CNF

**22 Pyramid-transform based lung-tissue MRI image segmentation**

*Liyun Yu; Rolland, J.P.;*

Engineering in Medicine and Biology society, 1997. Proceedings of the 19th Annual International Conference of the IEEE , Volume: 2 , 30 Oct.-2 Nov. 1997  
Pages:487 - 490 vol.2

[\[Abstract\]](#)   [\[PDF Full-Text \(288 KB\)\]](#)   IEEE CNF

**23 Wavelet snake for classification of nodules and false positives in chest radiographs**

*Yoshida, H.; Katsuragawa, S.; Amit, Y.; Doi, K.;*

Engineering in Medicine and Biology society, 1997. Proceedings of the 19th Annual International Conference of the IEEE , Volume: 2 , 30 Oct.-2 Nov. 1997  
Pages:509 - 512 vol.2

[\[Abstract\]](#)   [\[PDF Full-Text \(376 KB\)\]](#)   IEEE CNF

**24 Low bit-rate video coding using image triangulation and warping**

*Chichyang Chen; Te-Lung Lin;*

ISCE '97 - Proceedings of 1997 IEEE International Symposium on Consumer Electronics , 2-4 Dec. 1997  
Pages:161 - 164

[\[Abstract\]](#) [\[PDF Full-Text \(500 KB\)\]](#) IEEE CNF

---

25 **Acquisition and automated 3-D segmentation of respiratory/cardiac gated PET transmission images**

*Reutter, B.W.; Klein, G.J.; Brennan, K.M.; Huesman, R.H.;*

Nuclear Science Symposium, 1996. Conference Record., 1996 IEEE , Volume: 2 , 2-9 Nov. 1996

Pages:1357 - 1361 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(800 KB\)\]](#) IEEE CNF

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26 **Estimation of coronary blood flow by cardiac thermography in open chest conditions**

*Gordon, N.; Rispler, S.; Sideman, S.; Shofti, R.; Beyar, R.;*

Electrical and Electronics Engineers in Israel, 1996., Nineteenth Convention of Nov. 1996

Pages:234 - 238

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27 **An automatic lung cancer detection from X-ray images obtained through yearly serial mass survey**

*Hayashibe, R.; Asano, N.; Hirohata, H.; Okumura, K.; Kondo, S.; Handa, S.; Takizawa, M.; Sone, S.; Oshita, S.;*

Image Processing, 1996. Proceedings., International Conference on , Volume: 1 , 16-19 Sept. 1996

Pages:343 - 346 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(412 KB\)\]](#) IEEE CNF

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28 **An algorithm for coronary calcification diagnosis based on helical CT images**

*Ukai, Y.; Niki, N.; Satoh, H.; Watanabe, S.; Ohmatsu, H.; Eguchi, K.; Mo, N.;*

Pattern Recognition, 1996., Proceedings of the 13th International Conference on , Volume: 3 , 25-29 Aug. 1996

Pages:543 - 547 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(608 KB\)\]](#) IEEE CNF

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29 **A computer vision approach to emphysema detection and quantification**

*Buteau, M.; Makram-Ebeid, S.;*

Engineering in Medicine and Biology Society, 1996. Bridging Disciplines for Biomedicine. Proceedings of the 18th Annual International Conference of the IEEE , Volume: 3 , 31 Oct.-3 Nov. 1996

Pages:1089 - 1090 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(276 KB\)\]](#) IEEE CNF



---

30 **Identification of the lung boundaries in MR images using neural networks**

*Middleton, I.; Damper, R.I.;*

Engineering in Medicine and Biology Society, 1996. Bridging Disciplines for Biomedicine. Proceedings of the 18th Annual International Conference of the IEEE , Volume: 3 , 31 Oct.-3 Nov. 1996  
Pages:1085 - 1086 vol.3

[\[Abstract\]](#)   [\[PDF Full-Text \(180 KB\)\]](#)   **IEEE CNF**

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31 **Numerical observer study of MAP-EM regularization methods with anatomical priors for lesion detection in /sup 67/Ga images**

*Bruyant, P.P.; Gifford, H.C.; Gindi, G.; King, M.A.;*

Nuclear Science Symposium Conference Record, 2002 IEEE , Volume: 2 , 10-: Nov. 2002

Pages:1045 - 1048 vol.2

[Abstract]   [PDF Full-Text (996 KB)]   IEEE CNF

32 **Analysis of position-dependent Compton scatter in scintimammography with mild compression**

*Williams, M.B.; Narayanan, D.; More, M.J.; Goodale, P.J.; Majewski, S.; Kiepe*  
Nuclear Science Symposium Conference Record, 2002 IEEE , Volume: 2 , 10-: Nov. 2002

Pages:863 - 867 vol.2

[Abstract]   [PDF Full-Text (1456 KB)]   IEEE CNF

33 **A method for automated extraction of aorta and pulmonary artery the mediastinum using medial line models from 3D chest X-ray CT images without contrast materials**

*Kitasaka, T.; Hasegawa, J.; Mori, K.; Toriwaki, J.;*

Pattern Recognition, 2002. Proceedings. 16th International Conference on , Volume: 3 , 11-15 Aug. 2002

Pages:273 - 276 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(338 KB\)\]](#) IEEE CNF

---

34 **A technique based on wavelet and morphology transform to recognize the cancer cell in pleural effusion**

*Fuhua Chen; Jun Xie; Hong Zhang; Deshen Xia;*

Medical Imaging and Augmented Reality, 2001. Proceedings. International Workshop on , 10-12 June 2001

Pages:199 - 203

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---

35 **MRI ventilation analysis by merging parametric active contours**

*Ray, N.; Acton, S.T.; Altes, T.; de Lange, E.E.;*

Image Processing, 2001. Proceedings. 2001 International Conference on , Vol 2 , 7-10 Oct. 2001

Pages:861 - 864 vol.2

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---

36 **Directional edge registration for temporal chest image subtraction**

*Hui Zhao; Lo, S.-C.B.; Freedman, M.T.;*

Applied Imagery Pattern Recognition Workshop, AIPR 2001 30th , 10-12 Oct.

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37 **An interactive framework for boundary delineation for medical CBI**

*Pavlopoulou, C.; Kak, A.; Brodley, C.;*

Content-Based Access of Image and Video Libraries, 2001. (CBAIVL 2001). IE Workshop on , 14 Dec. 2001

Pages:9 - 16

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38 **A system for dual modality breast imaging**

*Goode, A.R.; Williams, M.B.; Simoni, P.U.; Galbis-Reig, V.; Majewski, S.;*

*Weisenberger, A.G.; Wojcik, R.; Stanton, M.; Phillips, W.; Stewart, A.;*

Nuclear Science Symposium, 1999. Conference Record. 1999 IEEE , Volume: 2 , 24-30 Oct. 1999

Pages:934 - 938 vol.2

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39 **Measuring left ventricular regional wall thickening using dynamic mode imaging**

*Song, I.; Saltzberg, M.T.; Soble, J.S.; Roberge, J.;*

Computers in Cardiology 1998 , 13-16 Sept. 1998

Pages:85 - 88

[\[Abstract\]](#) [\[PDF Full-Text \(352 KB\)\]](#) IEEE CNF

---

40 **Automated model driven localization of the heart and lung surfaces thoracic MR images**

*Lelieveldt, B.P.F.; van der Geest, J.R.; Reiber, J.H.C.;*  
Computers in Cardiology 1998 , 13-16 Sept. 1998  
Pages:9 - 12

[\[Abstract\]](#) [\[PDF Full-Text \(592 KB\)\]](#) IEEE CNF

---

41 **Computer-aided diagnosis of pulmonary nodules in chest radiographs wavelet-based snake approach**

*Yoshida, H.; Keserci, B.; Doi, K.;*  
Computer-Based Medical Systems, 1998. Proceedings. 11th IEEE Symposium on , 12-14 June 1998  
Pages:258 - 263

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---

42 **Computer recognition of chest image orientation**

*Evanoff, M.G.; McNeill, K.M.;*  
Computer-Based Medical Systems, 1998. Proceedings. 11th IEEE Symposium on , 12-14 June 1998  
Pages:275 - 279

[\[Abstract\]](#) [\[PDF Full-Text \(32 KB\)\]](#) IEEE CNF

---

43 **Image decorrelation: a procedure for the study of X-ray images in medical studies**

*Ramesh Babu, I.; Raghav, V.S.; Rao, S.V.L.N.;*  
Engineering in Medicine and Biology Society, 1995 and 14th Conference of the Biomedical Engineering Society of India. An International Meeting, Proceeding the First Regional Conference., IEEE , 15-18 Feb. 1995  
Pages:1/9 - 110

[\[Abstract\]](#) [\[PDF Full-Text \(252 KB\)\]](#) IEEE CNF

---

44 **Estimation of coronary blood flow by cardiac thermography in open chest conditions**

*Gordon, N.; Rispler, S.; Sideman, S.; Shofty, R.; Beyar, R.;*  
Computers in Cardiology 1995 , 10-13 Sept. 1995  
Pages:9 - 12

[\[Abstract\]](#) [\[PDF Full-Text \(272 KB\)\]](#) IEEE CNF

---

45 **Hybrid deformable models for three-dimensional biomedical image segmentation**

*Gauch, J.M.; Pien, H.; Shah, J.;*  
Nuclear Science Symposium and Medical Imaging Conference, 1994., 1994 IEEE Conference Record , Volume: 4 , 30 Oct.-5 Nov. 1994  
Pages:1935 - 1939 vol.4

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Lo, S.-C.B.; Chien, M.; Jong, S.; Li, H.; Freedman, M.T.; Lin, J.-S.J.; Mun, S.H.  
 Nuclear Science Symposium and Medical Imaging Conference, 1994., 1994 IEEE Conference Record, Volume: 4, 30 Oct.-5 Nov. 1994  
 Pages:1802 - 1806 vol.4

[Abstract] [PDF Full-Text (452 KB)] IEEE CNF

47 **Automatic segmentation of the heart in 3D MR images**

Gregson, P.H.;  
 Electrical and Computer Engineering, 1994. Conference Proceedings. 1994 Canadian Conference on, 25-28 Sept. 1994  
 Pages:584 - 587 vol.2

[Abstract] [PDF Full-Text (268 KB)] IEEE CNF

48 **Application of neural network based hybrid system for lung nodule detection**

Chiou, Y.-S.P.; Lure, Y.M.F.; Freedman, M.T.; Fritz, S.;  
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[Prev](#) [1](#) [2](#) [3](#) [4](#)

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